

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)



Welcome  
United States Patent and Trademark Office



[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

**Quick Links**

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

#### Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

#### Search

- By Author
- Basic
- Advanced
- CrossRef

#### Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

#### IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

Try our New Full-text Search Prototype **GO**

[Help](#)

- 1) Enter a single keyword, phrase, or Boolean expression.  
Example: acoustic imaging (means the phrase acoustic imaging plus any stem variations)
- 2) Limit your search by using search operators and field codes, if desired.  
Example: optical <and> (fiber <or> fibre) <in> ti
- 3) Limit the results by selecting Search Options.
- 4) Click Search. See [Search Examples](#)

```
optic* <paragraph>
(illuminat* <or> light*)
<paragraph> skew*
```

**Start Search** **Clear**

Note: This function returns plural and suffixed forms of the keyword(s).

Search operators: <and> <or> <not> <in> [More](#)

Field codes: au (author), ti (title), ab (abstract), jn (publication name), de (index term) [More](#)

#### Search Options:

##### Select publication types:

- IEEE Journals
- IEE Journals
- IEEE Conference proceedings
- IEE Conference proceedings
- IEEE Standards

##### Select years to search:

From year: **All** **to** **Present**

##### Organize search results by:

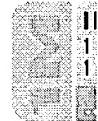
Sort by: **Relevance**

In: **Descending** **order**

List **15** **Results per page**

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved

Welcome  
United States Patent and Trademark Office

» See

Help FAQ Terms IEEE Peer Review

Quick Links

## Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced
- CrossRef

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

## IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

 Print FormatYour search matched **32** of **1099723** documents.A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

optic\* &lt;paragraph&gt; (illuminat\* &lt;or&gt; light\*) &lt;para

 Check to search within this result set

## Results Key:

JNL = Journal or Magazine CNF = Conference STD = Standard

1 **Micromechanical optical crossconnect with 4-F relay imaging optics***Kozhevnikov, M.; Ryf, R.; Neilson, D.T.; Kolodner, P.; Bolle, C.A.; Papazian, A Jungsang Kim; Gates, J.V.;*Photonics Technology Letters, IEEE , Volume: 16 , Issue: 1 , Jan. 2004  
Pages:275 - 277[\[Abstract\]](#) [\[PDF Full-Text \(152 KB\)\]](#) **IEEE JNL**2 **Optical scanner on a three-dimensional microoptical bench***Sasaki, M.; Yamaguchi, T.; Song, J.H.; Hane, K.; Hara, M.; Hori, K.;*  
Lightwave Technology, Journal of , Volume: 21 , Issue: 3 , March 2003  
Pages:602 - 608[\[Abstract\]](#) [\[PDF Full-Text \(828 KB\)\]](#) **IEEE JNL**3 **Light coupling by a vortex lens into graded index fiber***Johnson, E.G.; Stack, J.; Koehler, C.;*  
Lightwave Technology, Journal of , Volume: 19 , Issue: 5 , May 2001  
Pages:753 - 758[\[Abstract\]](#) [\[PDF Full-Text \(188 KB\)\]](#) **IEEE JNL**4 **Digital optical interconnects for networks and computing systems***Shang, A.Z.; Tooley, F.A.P.;*  
Lightwave Technology, Journal of , Volume: 18 , Issue: 12 , Dec 2000  
Pages:2086 - 2094

---

[Abstract] [PDF Full-Text (196 KB)] IEEE JNL

**5 Skew characteristics of image fiber for high-speed 2-D parallel optical data link**

*Nakamura, M.; Otsubo, T.; Kitayama, K.;*  
Lightwave Technology, Journal of , Volume: 18 , Issue: 9 , Sept. 2000  
Pages:1214 - 1219

---

[Abstract] [PDF Full-Text (844 KB)] IEEE JNL

**6 Node placement optimization in ShuffleNets**

*Yeung, K.L.; Yum, T.-S.P.;*  
Networking, IEEE/ACM Transactions on , Volume: 6 , Issue: 3 , June 1998  
Pages:319 - 324

---

[Abstract] [PDF Full-Text (196 KB)] IEEE JNL

**7 Skew-free parallel optical transmission systems**

*Fujimoto, N.; Ishizuka, A.; Rokugawa, H.; Mori, K.;*  
Lightwave Technology, Journal of , Volume: 16 , Issue: 10 , Oct. 1998  
Pages:1822 - 1831

---

[Abstract] [PDF Full-Text (296 KB)] IEEE JNL

**8 A tapered graded-index lens: analysis of transmission properties and applications in fiber-optic communication systems**

*Safaai-Jazi, A.; Suppanitchakij, V.;*  
Quantum Electronics, IEEE Journal of , Volume: 33 , Issue: 12 , Dec. 1997  
Pages:2159 - 2166

---

[Abstract] [PDF Full-Text (304 KB)] IEEE JNL

**9 Skew evaluation using two-dimensional refractive-index profile in single-mode fiber ribbons**

*Kashima, N.;*  
Lightwave Technology, Journal of , Volume: 15 , Issue: 11 , Nov. 1997  
Pages:2101 - 2106

---

[Abstract] [PDF Full-Text (196 KB)] IEEE JNL

**10 Influence of fiber parameters on skew in single-mode fiber ribbons**

*Kashima, N.;*  
Lightwave Technology, Journal of , Volume: 15 , Issue: 10 , Oct. 1997  
Pages:1858 - 1864

---

[Abstract] [PDF Full-Text (188 KB)] IEEE JNL

**11 Long-distance parallel data link using WDM transmission with bit-skew compensation**

*Gibong Jeong; Goodman, J.W.;*  
Lightwave Technology, Journal of , Volume: 14 , Issue: 5 , May 1996  
Pages:655 - 660

[Abstract] [PDF Full-Text (700 KB)] IEEE JNL

---

**12 Analysis of linear crosstalk in photonic crossbar switches based on on/off gates**

*Jeong, G.; Goodman, J.W.;*  
Lightwave Technology, Journal of , Volume: 14 , Issue: 3 , March 1996  
Pages:359 - 364

[Abstract] [PDF Full-Text (628 KB)] IEEE JNL

---

**13 Polarization statistics of crosstalk-induced noise in transparent lightwave networks**

*Goldstein, E.L.; Eskildsen, L.; Lin, C.; Silberberg, Y.;*  
Photonics Technology Letters, IEEE , Volume: 7 , Issue: 11 , Nov. 1995  
Pages:1345 - 1347

[Abstract] [PDF Full-Text (280 KB)] IEEE JNL

---

**14 Board level H-tree optical clock distribution with substrate mode holograms**

*Jang-Hun Yeh; Kostuk, R.K.; Kun-Yii Tu;*  
Lightwave Technology, Journal of , Volume: 13 , Issue: 7 , July 1995  
Pages:1566 - 1578

[Abstract] [PDF Full-Text (1056 KB)] IEEE JNL

---

**15 Observation of switching related to bistability between two cross-coupled lateral modes in twin-stripe lasers**

*Watanabe, M.; Fujiki, H.; Mukai, S.; Ogura, M.; Yajima, H.; Shimoyama, K.;*  
*Gotoh, H.;*  
Quantum Electronics, IEEE Journal of , Volume: 30 , Issue: 10 , Oct. 1994  
Pages:2232 - 2234

[Abstract] [PDF Full-Text (256 KB)] IEEE JNL

---

[1](#) [2](#) [3](#) [Next](#)

---

Welcome  
United States Patent and Trademark Office

&gt;&gt; See

Help FAQ Terms IEEE Peer Review

Quick Links

## Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced
- CrossRef

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

## IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

 Print Format

Your search matched **32 of 1099723** documents.  
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

  Check to search within this result set

## Results Key:

**JNL** = Journal or Magazine   **CNF** = Conference   **STD** = Standard**16 WDM coding for high-capacity lightwave systems**

*Shou-Kuo Shao; Ming-Seng Kao;*  
Lightwave Technology, Journal of , Volume: 12 , Issue: 1 , Jan. 1994  
Pages:137 - 148

[\[Abstract\]](#) [\[PDF Full-Text \(864 KB\)\]](#) **IEEE JNL****17 Synthesis of guided wave optical interconnects**

*Mills, D.W.; Tamil, L.S.;*  
Quantum Electronics, IEEE Journal of , Volume: 29 , Issue: 11 , Nov. 1993  
Pages:2825 - 2834

[\[Abstract\]](#) [\[PDF Full-Text \(712 KB\)\]](#) **IEEE JNL****18 Fiber-optic bus-oriented single-hop interconnections among multi-transceiver stations**

*Birk, Y.;*  
Lightwave Technology, Journal of , Volume: 9 , Issue: 12 , Dec. 1991  
Pages:1657 - 1664

[\[Abstract\]](#) [\[PDF Full-Text \(764 KB\)\]](#) **IEEE JNL****19 12-channel parallel optical-fiber transmission using a low-drive cu****1.3-μm LED array and a p-i-n PD array**

*Kaede, K.; Uji, T.; Nagahori, T.; Suzuki, T.; Torikai, T.; Hayashi, J.; Watanabe, Itoh, M.; Honmou, H.; Shikada, M.;*

Lightwave Technology, Journal of , Volume: 8 , Issue: 6 , June 1990  
Pages:883 - 888

[\[Abstract\]](#) [\[PDF Full-Text \(668 KB\)\]](#) [IEEE JNL](#)

---

**20 An algorithm for bit-skew correction in byte-wide WDM optical fibre systems**

*Loeb, M.L.; Stilwell, G.R., Jr.;*  
Lightwave Technology, Journal of , Volume: 8 , Issue: 2 , Feb. 1990  
Pages:239 - 242

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) [IEEE JNL](#)

---

**21 High-speed data transmission on an optical fiber using a byte-wide WDM system**

*Loeb, M.L.; Stilwell, G.R., Jr.;*  
Lightwave Technology, Journal of , Volume: 6 , Issue: 8 , Aug. 1988  
Pages:1306 - 1311

[\[Abstract\]](#) [\[PDF Full-Text \(460 KB\)\]](#) [IEEE JNL](#)

---

**22 Anisotropic fiber couplers with nonaligned optical axes**

*Snyder, A.W.; Stevenson, A.;*  
Lightwave Technology, Journal of , Volume: 6 , Issue: 3 , March 1988  
Pages:450 - 462

[\[Abstract\]](#) [\[PDF Full-Text \(960 KB\)\]](#) [IEEE JNL](#)

---

**23 Transmission experiment using silica waveguide based**

*Takiguchi, K.; Itoh, M.;*  
Electronics Letters , Volume: 39 , Issue: 25 , 11 Dec. 2003  
Pages:1813 - 1814

[\[Abstract\]](#) [\[PDF Full-Text \(288 KB\)\]](#) [IEE JNL](#)

---

**24 Shaping of pulses in optical grating-based laser systems for optimal control of electrons in laser plasma wake-field accelerator**

*Toth, Cs.; Faure, J.; Geddes, C.G.R.; van Tilborg, J.; Leemans, W.P.;*  
Particle Accelerator Conference, 2003. PAC 2003. Proceedings of the , Volume 3 , 12-16 May 2003  
Pages:1840 - 1842 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(1373 KB\)\]](#) [IEEE CNF](#)

---

**25 Extending the useful range of copper interconnects for high data rate signal transmission**

*Broomall, J.R.; Van Deusen, H.;*  
Electronic Components and Technology Conference, 1997. Proceedings., 47th 21 May 1997  
Pages:196 - 203

---

[Abstract] [PDF Full-Text (764 KB)] IEEE CNF

**26 Node placement optimization in ShuffleNets**

*Yeung, K.L.; Yum, T.-S.P.;*

Global Telecommunications Conference, 1997. GLOBECOM '97., IEEE , Volume 1 , 3-8 Nov. 1997

Pages:285 - 289 vol.1

---

[Abstract] [PDF Full-Text (512 KB)] IEEE CNF

**27 All optical bit parallel transmission systems**

*Tognari, A.P.; Vieira Segatto, M.E.;*

Microwave and Optoelectronics Conference, 2003. IMOC 2003. Proceedings of 2003 SBMO/IEEE MTT-S International , Volume: 1 , 20-23 Sept. 2003

Pages:367 - 372 vol.1

---

[Abstract] [PDF Full-Text (579 KB)] IEEE CNF

**28 An exact skew-ray-tracing method for theoretically predicting the power of intraocular lenses**

*Sugawara, A.; Wakabayashi, K.; Hata, N.; Oshika, T.; Dohi, T.;*

[Engineering in Medicine and Biology, 2002. 24th Annual Conference and the Annual Fall Meeting of the Biomedical Engineering Society] EMBS/BMES Conference, 2002. Proceedings of the Second Joint , Volume: 3 , 23-26 Oct. 2

Pages:2139 - 2140 vol.3

---

[Abstract] [PDF Full-Text (302 KB)] IEEE CNF

**29 Morphology-based license plate detection from complex scenes**

*Jun-Wei Hsieh; Shih-Hao Yu; Yung-Sheng Chen;*

Pattern Recognition, 2002. Proceedings. 16th International Conference on , Volume: 3 , 11-15 Aug. 2002

Pages:176 - 179 vol.3

---

[Abstract] [PDF Full-Text (341 KB)] IEEE CNF

**30 Recent advances in 1.3-μm low-threshold laser arrays for parallel optical interconnections**

*Uomi, K.; Nakahara, K.;*

Lasers and Electro-Optics, 1999. CLEO/Pacific Rim '99. The Pacific Rim Conference , Volume: 4 , 30 Aug.-3 Sept. 1999

Pages:1223 - 1224 vol.4

---

[Abstract] [PDF Full-Text (104 KB)] IEEE CNF

---

[Prev](#) [1](#) [2](#) [3](#) [Next](#)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	intensity same (master near2 clock) same (light\$4 or illuminat\$4) same skew same synchro\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 15:00
L2	1	("6249593").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2004/12/12 15:01
L3	1	("6584217").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2004/12/12 15:02
L4	1	3 and (travers\$4 same different)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 15:07
L5	27	light same travers\$4 same path\$4 same air same reflect\$4 same different\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:47
L6	0	illuminat\$4 same intansit\$4 same (alternat\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:49
L7	4703	illuminat\$4 same intensit\$4 same (alternat\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:49
L8	2884	illuminat\$4 same intensit\$4 same (alternat\$4)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:49
L9	56	8 same air	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:54
L12	8090	biologic\$4 and optic\$4 and specimen and molecular	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:58
L13	1809	12 and illuminat\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:58
L14	5	13 and hgg	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:58
L15	1313	13 and blood	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:59
L16	977	15 and reflect\$4	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 17:59
L17	2	16 and (travers\$4 same path\$4 same air)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2004/12/12 18:00

Welcome  
United States Patent and Trademark Office

&gt; See

Help FAQ Terms IEEE Peer Review

Quick Links

## Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced
- CrossRef

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

## IEEE Enterprise

- Access the IEEE Enterprise File Cabinet

 Print Format

Your search matched **32** of **1099723** documents.  
 A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

## Refine This Search:

You may refine your search by editing the current search expression or enter a new one in the text box.

optic\* &lt;paragraph&gt; (illuminat\* &lt;or&gt; light\*) &lt;para

 Check to search within this result set

## Results Key:

**JNL** = Journal or Magazine **CNF** = Conference **STD** = Standard**31 Gallium arsenide technology for low-power, high performance processor cores**

Lachowicz, S.W.; Eshraghian, K.; Lopez, J.F.;  
 Optoelectronic and Microelectronic Materials Devices, 1998. Proceedings. 1998 Conference on , 14-16 Dec. 1998  
 Pages:442 - 445

[\[Abstract\]](#) [\[PDF Full-Text \(368 KB\)\]](#) **IEEE CNF****32 Adaptive Volterra processor for fringe order identification in white-interferometric systems**

Rizk, M.S.; Romare, D.; Grattan, K.T.V.; Palmer, A.W.;  
 Microwave and Optoelectronics Conference, 1995. Proceedings., 1995 SBMO/I MTT-S International , Volume: 1 , 24-27 July 1995  
 Pages:413 - 418 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(308 KB\)\]](#) **IEEE CNF**[Prev](#) **1** [2](#) [3](#)